Amjad Ahmad Hudaib

Professor of Software Engineering

Department of Computer Information Systems
The University of Jordan

1. Personal Information:_____

Name: **Amjad**
Surname: **Hudaib**
Date of birth: **28/8/1969**
Nationality: **Jordanian**
Martial status: **Married**
Mobile: **+962 777635255**
Phone   **+962 6 5355000 Ext. 23636, 22605**
Fax: **+962 6 5330704**

E-mail: **ahudaib@ju.edu.jo**

Mailing Address**:**   **Department of Computer Information Systems**
                        King Abdullah II School for Information Technology
                        The University of Jordan
                        Amman 11942 Jordan.

- The University of Jordan Website:
  http://eacademic.ju.edu.jo/ahudaib/default.aspx

- Google Scholar Website:
  https://scholar.google.com/citations?hl=en&user=WezwTlcAAAAJ&view_op=list_works&sortby=pubdate

- Research Gate Website:
  http://www.researchgate.net/profile/Amjad_Hudaib

- ORCID ID: **orcid.org/0000-0003-0404-4070**

- Researcher ID: **D-2592-2015**

2. Academic Qualifications:

- Degree: **Ph.D. In Computer Science / Software Engineering**
  University: **University of Pisa, Pisa, Italy**
  Date: **May 2003**

- Degree: **Msc. in Computer Science**
  University: **The University of Jordan, Amman, Jordan**
  Grade: **Excellent**
  Date: **January 2000**

- Degree: **Bsc. in Computer Science**
  University: **Mutah University, Mutah, Jordan**
  Grade: **Very Good**
  Date: **January 1991**

3. Summary of Professional Experience:

3.1 Academic Positions:

Position	Place	Institutaion- City/ Country	Period
Professor	Department of Computer Information Systems King Abdullah II School for Information Technology	The University of Jordan Amman/ Jordan	2016- now
Associate Professor	Department of Computer Information Systems King Abdullah II School for Information Technology	The University of Jordan Amman/ Jordan	August 2009- December 2016
Associate Professor	Department of Computer Science and Department of Software Engineering Information Systems King Hussein Faculty of Computer Sciences	Princess Sumaya University for Technology Amman/ Jordan	September. 2015- September, 2016. (Sabbatical Leave)
Associate Professor	Department of Computer Information Systems King Abdullah II School for Information Technology	The University of Jordan Amman/ Jordan	August, 2009- September,2015
Assistant Professor	Department of Computer Information Systems King Abdullah II School for Information Technology	The University of Jordan Amman/ Jordan	July, 2003 - August, 2009
Teaching Assistant	Department of Computer Science	The University of Jordan Amman/ Jordan	1995 - 2000
Teaching Assistant	Department of Computer Science	Mutah University Karak/Jordan /	1993-1995

3.2 Administrative Positions:

Position	Place	Country/ City	Period
Dean of the King Abdullah II School for Information Technology	The University of Jordan	Jordan / Amman	**2018-Now**
Head of the Department of Computer Information Systems	The University of Jordan	Jordan / Amman	**2017- 2018**
Director of Accreditation and Quality Assurance Center	The University of Jordan	Jordan / Amman	**2009- 2014**
Head of the Department of Computer Information Systems	Department of Computer Information Systems, King Abdullah II School for Information Technology, The University of Jordan	Jordan / Amman	**2004 –2008**
Assistant Dean for Laboratories Affairs	King Abdullah II School for Information Technology, The University of Jordan	Jordan / Amman	**2003 – 2004**

3.3 Technical Positions:

Position	Place	Country/ City	Period
-Project manager - System analyst - Programmer	**Computer Center Mutah University**	**Jordan / Karak**	**1993-1995**
-Project manager - System analyst - Programmer	**Al-Faris Industry**	**Jordan /Amman**	**1991-1993**

4. Language Skills:

Mother tongue: **Arabic**

Other languages:

Language	Understanding	Speaking	Writing
English	**Excellent**	**Excellent**	**Excellent**
Italian	**Very Good**	**Very Good**	**Very Good**

5. Research Intrests:

- Software Engineering, Pattern Matching, Software Architectural Design, Systems Engineering and Tools, Requirements Engineering, Software Testing and Evaluation, Image Processing, Data Mining, Quality Assurance.

6. Consultations and Committee Memberships:

2004- Present	Head and Member of different accreditation and quality assurance committees for the **Higher Education Accreditation Commission**, for accrediting various IT programs at different universities such as Al Zaitonah Private University, Al Zarqa University, Petra University Philadelphia University.
2004- Present	Head and Member of different accreditation and quality assurance committees for **Ministry of Higher Education and Scientific Research** in Jordan. Such as: Committees to accredit CIS and CS programs at different universities in Jordan
2009-2015	Head and Member of different committees, **The University of Jordan, Amman, Jordan.** Such as: - Accreditation committees for all Faculties at The University of Jordan. - Strategic Planning Committee for Planning and Quality Assurance Center. - Steering committee for International Academic Ranking at The University of Jordan.
2013-2014	University Actuarial committee
2012-present	Member of The Accreditation and Quality Assurance Council at The University of Jordan
2013-2014	eLearning steering committee at The University of Jordan
2003- Present	Head and Member of different committees at King Abdullah II School for Information Technology, and The University of Jordan, Amman , Jordan.
2012 –2014	Member of E-Learning Committee
Jan. 2013, Nov. 2014	Member of The University Hospital Health Information System Evaluation Committee
2010-2014	Member of The University Website Committee
2011-2014	Member of Anti Plagiarism Implementation Committee
2005-2006	Member of University Board
2010-2014	Member of The Curriculum Committee (For all majors of the UoJ)
2012-2014	Member of The University Jobs Descriptions Committee
2012-2014	Member of The University Hierarchy Committee
2003- Present	Program committee Member for different regional and international conferences.
2003- Present	Program committee Member for different regional and international conferences.
2004-Present	Head and Member of different Examination committees at the Civil Services Department, Amman, Jordan.
2010-Present	Steering committee for the International Arab Conference for Quality Assurance in the Higher Education

7. Scientific Research Grants:

Project title	Sponsered by	Description and Objectives
- Joint Programs and Framework for Doctoral Education in Software Engineering	ERASMUS+ project number 561577-EPP-1-2015-1-FI-EPPKA2-CBHE-JP-ERASMUS+ CBHE	Joint Programs and Framework for Doctoral Education in Software Engineering /
- EQTeL	TEMPUS project number 544491-TEMPUS-1-2013-1-ES-TEMPUS-SMGR	Enhancing Quality of Technology-Enhanced Learning at Jordanian Universities
-RecoNow	TEMPUS project: RecoNow - ENPI South: Knowledge of recognition procedures in ENPI South countries	-Favouring and increasing the quality of vertical and horizontal mobility within Middle East and European higher education systems - Strengthen competencies and skills for recognition of European and Middle East qualifications among European and Middle East institutions -Defining common practices and tools among European and Middle East institutions in order to foster recognition
- Expert Fast Fuzzy Clustering System	The University of Jordan	The main concept of this research is to come out with an enhanced algorithm that depends on fuzzy logic to increase the performance of clustering processes, so that it can come out with results with the least possible time.
- ODISEAME	European Economic Community	ODISEAME is a Euro-Mediterranean network for higher education institutions that will co-operate together in the creation and distribution of electronic contents for educational purposes. http://www.odiseame.org/
- STRABON	European Economic Community	Strabon is a Euro-Mediterranean project that began in 2002 with *Cultural Heritage and Tourism* as its theme. It is part of the Eumedis Sector 3 initiative of the European Commission. http://www.strabon.org/
- DEGAS	European Economic Community	Design Environments for Global ApplicationS. http://www.omnys.it/degas/
- SAHARA	Italian Project	Software Architectures for Heterogenous Access Networks Infrastructures. http://sahara.di.univaq.it/
- SALADIN	Italian Project	Software Architectures and Languages for Distributed and Mobile Components . http://www.di.unipi.it/~monta/SALADIN/

8. Publications:

- Indexed Refereed International Scientific Journal Papers

1. **Amjad Hudaib,** Mohammad Khanafseh, and Ola Surakhi, *An Improved Version of K-medoid Algorithm using CRO,* Modern Applied Science; Vol. 12, No. 2; pp. 116-127, 2018. doi:10.5539/mas.v12n2p116. **2018.**

2. **Amjad Hudaib,** Saad AL-Azzam, *A Simple and Inexpensive 3D Scanning of Remote Objects by Robot*, Modern Applied Science, Vol. 12, No. 4, pp. 171-177. DOI: https://doi.org/10.5539/mas.v12n4p171**, 2018.**

3. **Amjad Hudaib**, Raja Masadeh, Mais Haj Qasem, Abdullah Alzaqebah, *Requirements Prioritization Techniques Comparison*, Modern Applied Science, Vol. 12, No. 2, pp. 62-80. DOI: https://doi.org/10.5539/mas.v12n2p62**, 2018.**

4. **Amjad A. Hudaib,** and Ahmad K. AL Hwaitat, *Movement Particle Swarm Optimization Algorithm,* Modern Applied Science, Vol.12, No.1, pp. 148-164, Doi: https://doi.org/10.5539/mas.v12n1p148, **2018.**

5. Raja Masadeh, Abdullah Alzaqebah, **Amjad Hudaib**, *Grey Wolf Algorithm for Requirements Prioritization*, Modern Applied Science, Vol. 12, No. 2, pp. 45-61, DOI: https://doi.org/10.5539/mas.v12n2p54 , **2018.**

6. **Amjad A. Hudaib** and Hussam N. Fakhouri *, Supernova Optimizer: A Novel Natural Inspired Meta-Heuristic*, Modern Applied Science, Vol. 12, No. 1, pp.32-50, Doi:10.55399/mas.v12n1p32, **2018.**

7. **Amjad Hudaib**, Qasem M.H., Obeid N., *FIPA-Based Semi-centralized Protocol for Negotiation*. Advances in Intelligent Systems and Computing (AISC), Vol. 661. Springer, PP. 135-149, **2018.**

8. **Amjad Hudaib,** Mohammad Alsharaideh, Ola Surakhi, Mohammad Khanafseh, *A Survey on Design Methods for Secure Software Development*, International Journal of Computer and Technology, Vol. 16, No. 7, PP. 7047-7063, **2017.**

9. **Amjad A. Hudaib,** Hussam N. Fakhouri, Fatima Eid Al Adwan, Sandi N. Fakhouri, *A Survey about Self-Healing Systems (Desktop and Web Application),* Communications and Network, Vol. 9, No. 1, pp. 71-88, **2017.**

10. **Amjad Hudaib,** Dima Suleiman, Arafat Awajan**,** *A Fast Pattern Matching Algorithm Using Changing Consecutive Characters***,** Journal of Software Engineering and Applications (JSEA), Vol. 9, No. 8, **2016.**

11. **Amjad Hudaib,** Ammar Huneiti, Islam Othman, *Software Reusability Classification and Prediction Using Self Orgnizing Map (SOM)*, **Communications and Network (CN).** Vol. 8, No. 3. **2016.**

12. **Amjad Hudaib,** Hussam N. Fakhouri, Rawan Ghnemat, *New Methodology For Microarray Spot Segmentation And Gene Expression Analysis*, Scientific Research and Essays, Vol. 11 (12), pp. 126-134**, 2016.**

13. **Amjad Hudaib,** Hussam N. Fakhouri**,** *An Automated Approach for Software Fault Detection and Recovery*, Communications and Network (CN). Vol. 8, No. 3. Pp.158-169, 2016.

14. Osama Rababah, Thair Hamtini, Hussam Fakhouri, **Amjad Hudaib**, Ahmad Hwaitat, *Theoretical Framework for Social Network Marketing Base on Genetic Algorithm*. Scientific Research and Essays, Vol. 11 (3), pp. 23-28**, 2016.**

15. **Amjad Hudaib,** Fawaz Al-zaghoul, Maha Saadeh, Huda Saadeh, *ADTEM-Architecture Design Testability Evaluation Model to Assess Software Architecture Based on Testability Metrics*, Journal of Software Engineering and Applications (JSEA), Vol. 8, No. 4, pp. 201-210, 2015.

16. **Amjad Hudaib**, Riham Dannon, Osama Harfoushi, Ruba Obiedat, Hussam Faris, *Hybrid Data Mining Models For Predicting Customer Churn*, International Journal of Communications, Network and System Sciences (IJCNS), Vol.8, No.5, pp. 91-96, 2015.

17. **Amjad Hudaib**, Rola Al-Khalid, Aseel Al-Anani, Mariam Itriq, Dima Suleiman, *Four Sliding Windows Pattern Matching Algorithm (FSW)*, Journal of Software Engineering and Applications, Vol.8, No. 3, pp. 154-165, 2015.

18. Dima Suleiman, Mariam Itriq, Aseel Al-Anani, Rola Al-Khalid, **Amjad Hudaib,** *Enhancing ERS-A Algorithm for Pattern Matching (EERS-A)*, Journal of Software Engineering and Applications, Vol. 8, No.3 , pp.143-153, 2015.

19. **Amjad Hudaib**, Mohammad Alnabhan, Osama Harfoushi, Ruba Obiedat, Omar Adwan, Waed Adham, *Emerging Trends of Outsourcing Business to Cloud Computing Services: A Perspective Study Support*, Communications and Network, Vol.6, No.1, pp. 1-8, 2014.

20. Ghadeer Ghazal, **Amjad. Hudaib** and Waffa Maitah, *Software Architectural Patterns for Service Composition*, International Journal of Computer Science & Information Technology (IJCSIT), Vol. 6, No. 4, pp.31-45, 2014.

21. O. Adwan, A. M. Huneiti, M.B. Al- Zoubi, *A. Hudaib,* T. Hamtini, *Simple Image Watermarking Method Using Wavelet Transform,* Australian Journal of Basic and Applied Sciences, Vol. 9, No. 17, pp. 98-101, 2014.

22. **Amjad Hudaib**, F. Al Zaghoul, J Al Widian, *Investigation of Software Defects Prediction Based on Classifiers (NB, SVM, KNN and Decision Tree)*, Journal of American Science, 9 (12), pp.381-386, 2013.

23. D. Suleiman, **Amjad Hudaib**, A. Al-Anani, R. Al-Khalid, M. Itriq, *ERS-A Algorithm for Pattern Matching,* Middle East Journal of Scientific Research 15 (7), 1067-1075, 2013

24. O Adwan, **Amjad Hudaib**, HN Fakhouri, LM Alnemer, *Microarray Gene Expression Extraction and Archiving Based on Local Spot Locations*, International Journal of Computer Science Issues (IJCSI) 10 (6), pp.203-208, 2013.

25. Mariam Itriq, Amjad Hudaib, Aseel Al-Anani, Rola Al-Khalid, Dima Suleiman, *Enhanced Two Sliding Windows Algorithm For Pattern Matching (ETSW)*, Journal of American Science, 8 (5), pp.607-616, 2012.

26. Thair Hamtini, **Amjad A. Hudaib**, *Measuring E-Learning Web-based Application Usability,* International Review on Computers and Software (IRECOS), Vol. 7 No. 1, pp.67-73, 2012.

27. S. Al-Areqi, **Amjad Hudaib**, N Obeid, *Improving Availability in Distributed Component-Based Systems via Replication*, Challenges for Intellegent Information, Springer, Vol. 351, pp. 43-52, 2011.

28. Rizik M. H. Al-Sayyed, **Amjad Hudaib**, Muhannad Al-Shboul, Yousef Majdalawi, Mohammed Bataineh, *Automated Assessment, Face to Face*, International Journal of Emerging Technologies in Learning (iJET), Vol.5, No. 3, 2010.

29. **Amjad Hudaib,** Khalid Kaabneh, Mohamad Qatawneh, *Modified On-Demand Multicasting Routing Protocol for Ad Hoc Networks,* WSEAS Transactions on Information Science and Applications, Vol. 6, Issue 2, pp. 147-158, 2009.

30. **Amjad Hudaib**, Rola Al-Khalid, Dima Suleiman, Mariam Itriq and Aseel Al-Anani, *A Fast Pattern Matching Algorithm with Two Sliding Windows (TSW),* Journal of Computer Science 4(5), pp. 393-401, 2008.

31. **Amjad Hudaib**, Bassam Hammo, and Yara ALKhader, *Systematic Development for Software Requirements Using Natural Language Techniques*, WSEAS Transactions on Computer Research, Issue 2, Vol. 2, pp. 255- 261, 2007.

32. Suhad Hajjara, Moussa Abdallah, **Amjad Hudaib**, *Digital Image Watermarking Using Localized Biorthogonal Wavelets,* European Journal of Scientific Research, Vol. 26, No.4, pp.596-610, 2009

33. Fawaz A. M. Masoud, Qatawneh Mohammad, Wesam Almobaideen, Azzam Sleit, **Amjad Hudaib**, Alshraideh Mohammad, Nabil Abu Hashish, Oraib Megdady, Shatha Al-Asir, Shorouq AlAdaileh. *Interactive RPC Binding Model*, European Journal of Scientific Research, Vol. 27, No. 1, pp. 112-119, 2009.

34. Moh'd Belal Al- Zoubi, **Amjad Hudaib**, Ammar Huneiti and Bassam Hammo, *New Efficient Strategy to Accelerate k-Means Clustering Algorithm*, American Journal of Applied Sciences, 5(9), pp.1247-1250, 2008.

35. Moh'd Belal Al- Zoubi, **Amjad Hudaib**, and Bashar Al-Shboul. *A Proposed Fast Fuzzy C-Means Algorithm*, WSEAS Transactions on Systems, Issue 6, Volume 6, pp. 1191-1196. June 2007.

36. Emad Abuelrub, Mahmoud Al Wadi, **Amjad Hudaib**, and Fawaz Al-Zaghoull. *Analytical Study of the Jordanian Accreditation Standards for Information Technology Programs*, Journal of Human Sciences. Issue 30, 2007. (In Arabic)

- International Conferences

1. **Amjad Hudaib**, Mais Haj Qasem, Nadim Obeid, (2017), FIPA-Based Semi-centralized Protocol for Negotiation, Proceedings of the Computational Methods in Systems and Software, pp. 135-149. **2017**.

2. Sherin Hijazi, and **Amjad Hudaib**, Using Petri Nets to Verify Design Model: A Survey, 4th Annual Conf. on Computational Science & Computational Intelligence (CSCI'17), Las Vegas, Nevada, USA, December **2017**.

3. Dyana Rashid Ibrahim, Rawan Ghnemat, and **Amjad Hudaib**, Software Defect Prediction Using Feature Selection and Random Forest Algorithm, Proceedings of The International Conference on new Trends in Computing Sciences (ICTCS 2017), PP. 252-258, Princess Sumaya University for Technology, Amman, Jordan, October, **2017**.

4. Raneem Qaddoura, Alaa Abu-Srhan, Mais Haj Qasem, and **Amjad Hudaib**, Requirements Prioritization Techniques Review and Analysis, Proceedings of The International Conference on new Trends in Computing Sciences (ICTCS 2017), PP. 258-264, Princess Sumaya University for Technology, Amman, Jordan, October, 2017.

5. Raghda Hraiz, Mariam Khader , Mostafa Z. Ali , **Amjad Hudaib,** Evaluating the Performance of "Derandomized-LShade" Algorithm on CEC 2014 Benchmark Functions. Proceedings of The International Conference on new Trends in Computing Sciences (ICTCS 2017), PP. 36-42, Princess Sumaya University for Technology, Amman, Jordan, October, 2017.

6. Fawaz Al-Zaghoul, **Amjad Hudaib**, Raneem Qaddoura, Mais Haj Qasem, Alaa Abu-Srhan, A Weighted Framework for Process Model Selection, 30th International Conference on Computer Applications in Industry and Engineering (CAINE 2017), October 2-4, 2017,San Diego, California, USA, pp 193-198.

7. **Amjad Hudaib**, Qasem M.H., Obeid N. (2018), FIPA-Based Semi-centralized Protocol for Negotiation. In: Silhavy R., Silhavy P., Prokopova Z. (eds) Cybernetics Approaches in Intelligent Systems. CoMeSySo 2017. Advances in Intelligent Systems and Computing (AISC), vol 661. Springer, Cham.

8. Dima Suleiman com Marwah Alian, **Amjad Hudaib**, A Survey on Prioritization Regression Testing Test Case, 2017 8th International Conference on Information Technology (ICIT), pp.854-862, May 2017. Jordan.

9. **Amjad Hudaib**, Dima Suleiman, Arafat, Awjan, (2016), Dynamic Berry Ravindran Algorithm for Pattern Matching (DBR), 16th International Conference on Applied Computer Science (ACS '16), Istanbul, Turkey. 2016.

10. Mariam Khader, Ali Hadi, **Amjad Hudaib**, Covert Communication Using Port Knocking, Cybersecurity & Cyberforensics Conference, The University of Jordan, August 2016, Amman, Jordan.

11. Mariam Biltawi, Wael Etaiwi, Sara Tedmori, **Amjad Hudaib**,Arafat Awajan, (2016), Sentiment Classification Techniques for Arabic Language: A Survey. International Conference on Information and Communication Systems (ICICS), Irbid,–Jordan, 2016.

12. Marwah Alian, **Amjad Hudaib**, (2016) Towards Adaptive Hybrid Optimization Technique, International Computer Sciences and Informatics Conference (ICSIC), Amman- Jordan, 2016.

13. Fawaz Al-Zaghoul, **Amjad Hudaib,** Mohammad Abo Shariah, and Assal Alqudah, *A suggested Framework for Software Requirements Specification,* UKSim 2015 - 17th International Conference on Mathematical/Analytical Modeling and Computer Simulation, Cambridge University, 2015.

14. Fawaz Al-Zaghoull**, Amjad Hudaib,** Majdi Ahed, *Software Engineering Education in Jordan,* 6th International Computer Science and Information Technology (CSIT), 2014.

15. **Amjad Hudaib** and Khaled Kaabneh, **Hybrid Model for a People Counting in a Video Stream,** WSEAS 12th International Conference on Computers, Greece, pp. 482-486, 2008.

16. Fawaz A. M. Masoud, **Amjad A. Hudaib**, Ahmad Sharieh. **A Suggested Framework for Producing Electronic Courses.** IEEE Third International Conference on Information & Communication Technologies From Theory to Applications (ICTTA'08), pp. 33-36, Damascus-Syria, 2008.

17. Bassam Hammo, **Amjad Hudaib** and Basem Saraireh, **Lessons Learned from Training Teachers on ICT: A Case Study from The University of Jordan.** The IEEE International Conference on Technology, Communication and Education (I-TCE), pp. 392-396, Kuwait 2008.

18. Bassam Hammo, and **Amjad Hudaib**. *Shifting the Gears: Towards Automatic Assessment of Undergraduate Students at The University of Jordan.* The MIT Learning International Network Consortium (MIT LINC 2007), Dead Sea, Jordan, 2007.

19. Bassam Hammo, **Amjad Hudaib**, Ammar Huneiti, and Moh'd Belal Al-Zoubi. **Preparing Jordanian Teachers to Face the Challenges in Applying Information and Communication Technology in Education**. The MIT Learning International Network Consortium (MIT LINC 2007), Dead Sea, Jordan, 2007.

20. Y. Alkhader, **Amjad Hudaib,** and B. Hammo. **Experimenting With Extracting Software Requirements Using NLP Approach**. IEEE International Conference on Information and Automation (ICIA2006), Colombo, Sri Lanka, pp. 349-354, December 2006.

21. **Amjad Hudaib**, Bassam Hammo, and Yara AKhader, **Towards Software Requirements Extraction Using Natural Language Approach**, Proceedings of the 6th WSEAS Int. Conf. on Software Engineering, Parallel and Distributed Systems, Corfu Island, Greece, February 16-19, pp. 155-160, 2007.

22. Moh'd Belal AL-Zobi, **Amjad Hudaib,** and Bashar Al-Shboul. **A Fast Fuzzy Clustering Algorithm.** Proceedings of the 6th WSEAS Int. Conf. on Artificial Intelligence, Knowledge Engineering and Data Bases, Corfu Island, Greece, pp. 28-32, 2007

23. Suhad Hajjara, Moussa Abdallah, and **Amjad Hudaib**. **Image Information Hiding Using Second Order Biorthogonal Wavelets.** IEEE International Conference on Information and Automation (ICIA2006), Colombo, Sri Lanka, pp.403-406, December 2006.

24. Majed A. Yahya, Fawaz A. M. Masoud, and **Amjad Hudaib**, **The Effects of Software Development Environment on Software Cost Estimation**, Proceedings of the 10th World Multiconference on Systemics, Cybernetics and Informatics (WMSCI 2006), Volume 1, Orlando, USA, pp. 239-243, 2006.

25. Hussam Ud-Din Ihmaidi, Ahmed Al-Jaber, and **Amjad Hudaib. Securing Online Shopping Using Biometric Personal Authentication and Steganography.** IEEE 2nd International Conference on Information & Communication Technologies From Theory to Applications (ICTTA'06), Damascus,Syria, 2006.

26. **Amjad Hudaib** and B. Hammo. **Towards Convenience Online Classified Ads.** 4th International Multiconferrence on Computer Science and Information Technology, Amman, Jordan, pp.257-262, 2006.

27. **Amjad Hudaib** and C. Montangero**. A UML Profile to Support the Formal Presentation of Software Architecture.** 26th IEEE Annual International Computer Software and Applications Conference COMPSAC 2002, Oxford, England, pp. 217-223, 2002.

28. **Amjad Hudaib,** and C. Montangero. **On the Mapping of Oikos_adtl to UML.** II Workshop progetto SALADIN, L'Aquila -Roma, Italy, February 2002.

29. **Amjad Hudaib,** and C. Montangero. Formal Patterns for Secure Software Architectures in Oikos_adtl. Workshop Su Sistemi Distribuiti: Algoritmi, Architetture e Linguaggi WSDAAL 2001. Como, Italy September 2001.

- Book Chapter

- Inas abuqaddom, **Amjad Hudaib**, Cost-Sensitive Learner on Hybrid SMOTE-Ensemble Approach to Predict Software Defects, In book: Computational and Statistical Methods in Intelligent Systems, Editors Radek Silhavy, Petr Silhavy and Zdenka Prokopova. Springer. PP. 12-22, DOI: 10.1007/978-3-030-00211-4_2, 2018.

- Samih Al-Areqi, **Amjad Hudaib** and Nadim Obeid, *Improving Availability in Distributed Component-Based Systems via Replication*, Studies in Computational Intelligence, Volume 351, New Challenges for Intelligent Information and Database Systems, Springer, pp. 43-52, 2011.

- Books

- Moh'd Belal Al- Zoubi, Ahmad Sharieh , **Amjad Hudaib** and Khalida Al-Zoubi, *Computer Skills 2*, Third edition. Darwaeel, Amman, Jordan, 2007. **(1st edition in 2006).**

- Moh'd Belal Al- Zoubi, Ahmad Sharieh , **Amjad Hudaib** and Khalida Al-Zoubi, **Advanced Computer Skills** , Third edition. Zamzam, Amman, Jordan, 2011.

- Workshops

- **Amjad Hudaib,** *eLearning: Tools and Technologies*, Amman Arab University, August, 2010. Amman, Jordan.

- **Amjad Hudaib**, *Tools and Methodologies of eLearning*, The First International Arab Conference on Quality Assurance in Higher Education, May, 2011. Amman, Jordan.

- **Amjad Hudaib***, The International Standards for eLearning ,* Philadelphia University, May 2011. Amman, Jordan.

- PhD. Thesis:

- **Amjad Hudaib.** Formal Description of Software Architecture Patterns: The Asynchronous Case**,** Ph.D. Thesis.TD-6/03, Dipartimento di Informatica, Università di Pisa, May 2003.

- M.Sc. Dissertation:

- **Amjad Hudaib**. *Techniques for Handwritten Recognition Using Neural Network and Neuro-Fuzzy System***,** Master degree dissertation, Computer Science Department, The University of Jordan, Amman, Jordan, September 1999.

9. Awards:_____

- ITSAF, Supervisor of the Best Graduation Project, ITSAF- Petra University, Amman, Jordan, 2007.

- WINNERS, 2006 United Arab Emirates, UAE EDUCATIONAL IT CHALLENGE: Supervisor of the Best College or University Student Project. UAE.

- The University of Jordan Scholarship for a Ph.D. in Computer Science/ Software Engineering, at University of Pisa, Italy, 2000-2003.

- The University of Jordan Scholarship for a M.Sc. in Computer Science at The University of Jordan, Jordan 1998-2000.

10. Teaching Experience

1- Graduate Level (Master & Ph.D)
- Software Engineering (Ph.D.)
- Selected Topics in Software Engineering(Ph.D.)
- Research Methodology (Ph.D.)
- Software Engineering (Master)
- Software Verification and Validation(Master)
- Object Oriented Modelling(Master)

2- Undergraduate Level
- Software Engineering
- Advanced Software Engineering
- Project Management
- Systems Analysis and Design
- Database management systems
- Theory of Algorithms and Algorithms Design
- Introduction to Computer Science
- Software Engineering and Documentation
- Interpersonal Communication and Documentation
- Software Documentation
- Systems Development and Analysis
- Computer Skills
- Graduation project

3- High Diploma Level
- Developing and Integrating E-Government Information Systems
- Security for Information Systems
- Graphic Design
- Web Development

11. External and Internal Examiner:

- Internal Examiner (Msc. Students and Graduation Projects):
  - **The University of Jordan**
- External Examiner (Ph. D. and Msc. Students):
  - **Princess Sumaya University for Science and Technology**
  - **Jordan University for Science and Technology**
  - **Philadelphia University**
  - **Al AlBait University**
  - **Zarqa University**
  - **Arab Academy for Finance and Banking Sciences**

12. Supervision (M.Sc and Graduation Projects):

2004-Present   Supervisor (Main supervisor and Co-supervisor)
                 More than 40 Msc. and PhD Students.
                 Department of Computer Information Systems
                 Department of Computer Science
                 King Abdullah II School for Information Technology
                 The University of Jordan
2004-Present   Supervisor: More than 60 Graduation Projects
                 King Abdullah II School for Information Technology
                 The University of Jordan.